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OM protein - protein search, using sw model

Run on: December 27, 2001, 16:54:02 ; Search time 25.08 Seconds
(without alignments)
209.959 Million cell updates/sec

Title: US-09-830-647-2

Perfect score: 1206
Sequence: 1 MMSGAAIRHSKHFQGGIOV.....LKKPFYKVEDMSQSPAVHLM 234

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
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4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/PCYUS.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/backfilest.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	88	7.3	617	1 US-08-361-920-29	Sequence 29, Appl
2	88	7.3	617	1 US-08-479-939-29	Sequence 29, Appl
3	88	7.3	617	1 US-08-483-432-29	Sequence 29, Appl
4	88	7.3	700	2 US-07-862-588B-2	Sequence 2, Appl
5	85	7.0	536	4 US-09-188-930-185	Sequence 185, App
6	85	7.0	976	4 US-08-894-997-50	Sequence 50, Appl
7	84	7.0	787	4 US-09-188-930-334	Sequence 334, App
8	80.5	6.7	364	4 US-09-085-305-6	Sequence 6, Appl
9	79	6.6	1196	1 US-08-144-121-4	Sequence 4, Appl
10	79	6.6	1196	2 US-08-735-893-4	Sequence 4, Appl
11	77.5	6.4	859	1 US-08-053-614-2	Sequence 2, Appl
12	77.5	6.4	859	1 US-08-316-397B-2	Sequence 2, Appl
13	77.5	6.4	859	2 US-09-034-306-2	Sequence 2, Appl
14	77.5	6.4	859	4 US-09-259-437-2	Sequence 4, Appl
15	77.5	6.4	859	5 PCT-US93-09782-2	Sequence 2, Appl
16	77.5	6.4	1181	1 US-08-053-614-4	Sequence 4, Appl
17	77.5	6.4	1181	1 US-08-316-397B-4	Sequence 4, Appl
18	77.5	6.4	1181	2 US-09-034-306-4	Sequence 4, Appl
19	77.5	6.4	1181	4 US-09-259-437-4	Sequence 4, Appl
20	77.5	6.4	1181	5 PCT-US93-09782-4	Sequence 4, Appl
21	77	6.4	260	1 US-08-256-964A-17	Sequence 17, Appl
22	76.5	6.3	259	6 5212074-3	Patent No. 5212074
23	76.5	6.3	367	3 US-09-141-047-10	Sequence 10, Appl
24	76.5	6.3	351	4 US-09-080-983-11	Sequence 11, Appl
25	76.5	6.3	688	3 US-09-141-047-8	Sequence 8, Appl
26	76.5	6.3	776	1 US-08-021-601-2	Sequence 2, Appl
27	76.5	6.3	776	1 US-08-083-849B-2	Sequence 2, Appl

28	76.5	6.3	776	5 PCT-US94-01624-2	Sequence 2, Appl
29	76	6.3	231	1 US-08-168-091A-4	Sequence 4, Appl
30	76	6.3	361	3 US-09-032-372-12	Sequence 12, Appl
31	75.5	6.3	408	4 US-09-315-793-32	Sequence 32, Appl
32	75.5	6.3	556	2 US-08-505-377-1	Sequence 1, Appl
33	75.5	6.3	556	3 US-08-798-269-1	Sequence 1, Appl
34	75.5	6.3	563	2 US-08-714-168-1	Sequence 1, Appl
35	75.5	6.3	563	4 US-09-320-721A-1	Sequence 1, Appl
36	75.5	6.3	887	1 US-07-596-467-2	Sequence 2, Appl
37	75.5	6.3	887	1 US-07-934-374-2	Sequence 2, Appl
38	75.5	6.3	887	1 US-07-783-861C-4	Sequence 4, Appl
39	75	6.2	461	4 US-08-764-870-3	Sequence 3, Appl
40	75	6.2	461	4 US-08-980-115-3	Sequence 3, Appl
41	74.5	6.2	500	2 PCT-US95-13051-2	Sequence 2, Appl
42	74.5	6.2	500	5 PCT-US95-13051-2	Sequence 2, Appl
43	74	6.1	265	3 US-08-483-577A-158	Sequence 158, App
44	74	6.1	265	4 US-08-897-438-158	Sequence 158, App
45	74	6.1	310	3 US-08-483-577A-157	Sequence 157, App

ALIGNMENTS

RESULT 1
US-08-361-920-29
Sequence 29, Application US/08361920
Patent No. 3457046
GENERAL INFORMATION:
APPLICANT: Woelike, Helle F.
APPLICANT: Hagen, Frederick
APPLICANT: Hort, Carsten M.
APPLICANT: Sten, Hestrup
TITLE OF INVENTION: An Enzyme Capable of Degrading Cellulose
TITLE OF INVENTION: or Hemicellulose
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:
ADDRESS: No. 5457046 No. 5457046disk Of No. 5457046th America, Inc.
STREET: 405 Lexington Avenue, 62nd Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6201
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/361,920
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/940,860
FILING DATE: 28-OCT-1992
APPLICATION NUMBER: DK 1158/90
FILING DATE: 09-MAY-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/DK91/00124
FILING DATE: 08-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
TELEPHONE: 212-867-0123
TELEPHONE: 212-867-0298
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 617 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-361-920-29

Query Match 7.3%; Score 88; DB 1; Length 617;
Best Local Similarity 23.9%; Pred. NO. 0.44;
Matches 54; Conservative 35; Mismatches 83; Indels 54; Gaps 12;

20 VKNEKNRPSLSKTKTNRPEKSKCKPLMGKV-FYLDLPSTYISEKIDKIDGGRVEEF 78
134 VSRDNGKPVDES-----ETAPSPRMDKVEFAKNAPF-----SIQPLIND--GQV--Y 176
79 LSKDISYLSINKKEAKFACTLCRISPVSPESAVTAETSPHPSHDSSFSKSPDTVCLSR 138
177 MDEVNPLVNRGNASTSTGKAYS--LDNEPALMSET---HPRHPEQLQAALVAKS- 230
139 GKLYEKAIRKDHPIFNSNLSNALSMGWKILHIDD-----IRYIEOKKK 184
231 --IDSKAVKNVD--PHAEIFGPAHYGCAVLSLQDAPDWPSPLOGNYSWFIDYILDQKN 286
185 ELYLKRSSTSVND-----GGRV---GSGAKTRTGRLKKP 218
287 AHTONGKRLLDVLVHWPPEAGGGRIVFGAGNIDTQAKRVQAP 332

RESULT 2
US-08-479-939-29
Sequence 29, Application US/08479939
Patent No. 5686593
GENERAL INFORMATION:
APPLICANT: Woelldike, Helle F.
APPLICANT: Hagen, Frederick
APPLICANT: Hjort, Carsten M.
APPLICANT: Sven, Hasstrup
TITLE OF INVENTION: An Enzyme Capable of Degrading Cellulose
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 56865930 No. 5686593disk of No. 5686593th America, Inc.
STREET: 405 Lexington Avenue, 62nd Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6201
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/479,939
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/361,920
FILING DATE: 22-DEC-1994
APPLICATION NUMBER: US 07/940,860
FILING DATE: 28-OCT-1992
APPLICATION NUMBER: DK 1158/90
FILING DATE: 09-MAY-1990
PRIOR APPLICATION DATA: PCT/DK91/00124
FILING DATE: 08-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lambdlis, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3435,204-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-867-0298
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 617 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-479-939-29

Query Match 7.3%; Score 88; DB 1; Length 617;
Best Local Similarity 23.9%; Pred. NO. 0.44;
Matches 54; Conservative 35; Mismatches 83; Indels 54; Gaps 12;

20 VKNEKNRPSLSKTKTNRPEKSKCKPLMGKV-FYLDLPSTYISEKIDKIDGGRVEEF 78
134 VSRDNGKPVDES-----ETAPSPRMDKVEFAKNAPF-----SIQPLIND--GQV--Y 176
79 LSKDISYLSINKKEAKFACTLCRISPVSPESAVTAETSPHPSHDSSFSKSPDTVCLSR 138
177 MDEVNPLVNRGNASTSTGKAYS--LDNEPALMSET---HPRHPEQLQAALVAKS- 230
139 GKLYEKAIRKDHPIFNSNLSNALSMGWKILHIDD-----IRYIEOKKK 184
231 --IDSKAVKNVD--PHAEIFGPAHYGCAVLSLQDAPDWPSPLOGNYSWFIDYILDQKN 286
185 ELYLKRSSTSVND-----GGRV---GSGAKTRTGRLKKP 218
287 AHTONGKRLLDVLVHWPPEAGGGRIVFGAGNIDTQAKRVQAP 332

RESULT 3
US-08-483-432-29
Sequence 29, Application US/08483432
Patent No. 5763254
GENERAL INFORMATION:
APPLICANT: Woelldike, Helle F.
APPLICANT: Hagen, Frederick
APPLICANT: Hjort, Carsten M.
APPLICANT: Sven, Hasstrup
TITLE OF INVENTION: An Enzyme Capable of Degrading Cellulose
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 57632540 No. 5763254disk of No. 5763254th America, Inc.
STREET: 405 Lexington Avenue, 62nd Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6201
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,432
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/361,920
FILING DATE: 22-DEC-1994
APPLICATION NUMBER: US 07/940,860
FILING DATE: 28-OCT-1992
APPLICATION NUMBER: DK 1158/90
FILING DATE: 09-MAY-1990
PRIOR APPLICATION DATA: PCT/DK91/00124
FILING DATE: 08-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lambdlis, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3435,204-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-867-0298
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 617 amino acids


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US-08-894-997-50
; Sequence 50, Application US/08894997A
; Patent No. 6270990
; GENERAL INFORMATION:
; APPLICANT: Anderson, David J
; APPLICANT: Schoenher, Christopher J
; TITLE OF INVENTION: NEURON-RESTRICTIVE SILENCER FACTOR
; FILE REFERENCE: 17810-502 NRSP
; CURRENT APPLICATION NUMBER: US/08/894,997A
; EARLIER FILING DATE: 1998-01-06
; EARLIER APPLICATION NUMBER: PCT/US96/02817
; EARLIER FILING DATE: 1996-03-01
; EARLIER APPLICATION NUMBER: 08/398,590
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 50
; LENGTH: 976
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(976)
; OTHER INFORMATION: Human NSRP
; FEATURE:
; NAME/KEY: CHAIN
; LOCATION: (1)..(976)
; OTHER INFORMATION: Human NSRP
US-08-894-997-50

Query Match
Best Local Similarity 7.0%; Score 85; DB 4; Length 976;
Matches 50; Conservative 32; Mismatches 70; Indels 56; Gaps 11;

QY 18 IGVNKKRNP-----SIKSLKTDNRPEKSKCKPLMGKVFYLDLPSTYISKIQDIDKL 71
DB 420 VIKTKTKKREDLLNNVSNKMEKNEQTKR-----GDV-----SKKKKKPKVAKV 465
QY 72 GGRVEEFLSKDISYLSINKEAKFAQTIGRIS-PVPSPEASVYMETTSPHSH-DGSSRK 129
DB 466 G-----KDA-----KEKKGSSVSVOVVTTRKRSAAVETAAAEVKKHTDQTON 511
QY 130 SPDTVCLSGKLLVEKAIKDHDPISNLSILSNALSMGVKLIHIDIRYIYOKKKELYL 189
DB 512 NPERPC-----KAKKKRKKDEAPPSDEPNVNC-----PYTKKKKSECK 552
QY 190 KKSSTSVRDGKRVGS--GAQKTGTGRLKK 217
DB 553 SKISTNVPRKGGRGAEERPGYAK-QSASLKK 581

RESULT 7
US-09-188-930-334
; Sequence 334, Application US/09188930A
; Patent No. 6150502
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Steeman, Lorna
; APPLICANT: Steeman, Matthew
; APPLICANT: Murison, James Greg
; APPLICANT: Onrust, Rene
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; FILE REFERENCE: 11000.101IG
; CURRENT APPLICATION NUMBER: US/09/188,930A
; EARLIER FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 348
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 334
; LENGTH: 787
; TYPE: PRT
; ORGANISM: Mouse
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US-09-188-930-334

Query Match
Best Local Similarity 7.0%; Score 84; DB 4; Length 787;
Matches 63; Conservative 33; Mismatches 103; Indels 98; Gaps 12;

QY 11 KGFPGGIGVYKNEKRPSTKTDNRPEKSKCKPLMG-----KVFYLDLPV 58
DB 239 KGH-----RPLPI---CPRPRACASLIGLMQCHVADPVRPFFOETISE 283
QY 59 T--ISKLOKIDKIDGKVEEFLSKDISYLSINKEAK-FAQTIGRISPV----- 106
DB 284 TEDCKRPDEVKDLAHPGKKS-----LESSEARESSRLKRAAPPFNDCLSE 337
QY 107 -----SPESAYTAETTSPPHSHDG---SFPKSPDTVCLSRKILY--EKA 146
DB 338 LLSQDSGISTRLGPEFELSRSSECKLPSSSCKRLSCVSDSAFSSRGLSLSPERE 397
QY 147 IKDHPIS-----NSILSNALSMGVKLIHIDIRYIYOKKKELYL----- 189
DB 398 ASGIDGFTDICKKLYVAILISGPTSRIMKILQPDVDLVLDSSASLLHLAVERAGEV 457
QY 190 -----KKSSTSVRDGKRVGSQAQKTGTGRLKKPFYKVEDMSQSAVH 232
DB 458 KILLNNANPNLTNRKSTPLHMAVERKGRGIYELLAR--KTSVANADEQDWTALH 512

RESULT 8
US-09-085-305-6
; Sequence 6, Application US/09085305
; Patent No. 6191269
; GENERAL INFORMATION:
; APPLICANT: Lovett, David H.
; APPLICANT: Turk, Johanna
; TITLE OF INVENTION: Selective Induction of Apoptosis in
; TITLE OF INVENTION: Malignant Cancer Cells by Delivery of N-Terminal
; TITLE OF INVENTION: Interleukin-1-Alpha Pro-Piece Polypeptide
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESS: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/085,305
; FILING DATE: 29-MAY-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Francals, Carol L
; REGISTRATION NUMBER: 36,513
; REFERENCE/DOCKET NUMBER: 6510/102051
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3400
; TELEFAX: 650-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 364 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/316.397B
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: SPRATT, GWENDOLYN D.
REGISTRATION NUMBER: 36,016
REFERENCE/DOCKET NUMBER: 2200.030
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404/688-0770
TELEFAX: 404/688-9880
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 859 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-316-397B-2

Query Match 6.4%; Score 77.5; DB 1; Length 859;
Best Local Similarity 20.8%; Pred. No. 11;
Matches 64; Conservative 40; Mismatches 91; Indels 113; Gaps 15;

OY 3 SGAMRHSKGFHGGI-----QVKNKKNPSLSKLTQDNRPKSKCKP 45
DB 382 TGSORALSOEIQNTIDMEFLAQNNAKLDSLSEKEKEFRNEIKDFOKDSKP----- 434
OY 46 LMGKVFYLD-LPSVTISEKLDKIDLGRAVEEFLSKDISYL--ISNKKKFAQTIGRI 102
DB 435 -----YLDALGNDRILAVSKKDPKH-SALITFEFKGDSLSTLYKMGKQIK---ALDRE 484
OY 103 SPVPSESAATTAETSPHSHDGSF-----KSPDT-VCLSRG----- 139
DB 485 KNV-----TLGNIKHDGVAFVSNFKYTNAKSPKGVGVTVNGVSHLEAGFSK 534
OY 140 -----KLIVE-----KAIKDHDFIPSN-SILSNALSMG 166
DB 535 VAVENLPMLNLAITSVVRDLEDLKLAGLSPOEANKLVK--DPLSSNKELVGAALNPN 592
OY 167 VKLIHIDIRIYIEQKKKELYL---LKKSTSVRDGKRVSGAOKTRGLRKKPFVAYE 223
DB 593 KAVAEAKNTGNYDEVKRAQKDELSKKRHELEKDVAKNL-----ESKSGNKKMEAKRAQ 647
OY 224 DMSQSPAV 231
DB 648 ANSOKDEI 655

RESULT 13
US-09-034-306-2
Sequence 2, Application US/09034306
Patent No. 5876943
GENERAL INFORMATION:
APPLICANT: COVER, TIMOTHY L.
APPLICANT: BLASER, MARTIN J.
APPLICANT: HARRY KLEANTHOUS
APPLICANT: TUMWURU, MURALI K.R.
TITLE OF INVENTION: THE TAGA GENE AND METHODS FOR DETECTING
TITLE OF INVENTION: PREDISPOSITION TO PEPTIC ULCERATION AND GASTRIC CARCINOMA
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: 127 Peachtree Street, Suite 1200
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/034.306
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/316.397
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: SPRATT, GWENDOLYN D.
REGISTRATION NUMBER: 36,016
REFERENCE/DOCKET NUMBER: 2200.030
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404/688-0770
TELEFAX: 404/688-9880
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 859 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-034-306-2

Query Match 6.4%; Score 77.5; DB 2; Length 859;
Best Local Similarity 20.8%; Pred. No. 11;
Matches 64; Conservative 40; Mismatches 91; Indels 113; Gaps 15;

OY 3 SGAMRHSKGFHGGI-----QVKNKKNPSLSKLTQDNRPKSKCKP 45
DB 382 TGSORALSOEIQNTIDMEFLAQNNAKLDSLSEKEKEFRNEIKDFOKDSKP----- 434
OY 46 LMGKVFYLD-LPSVTISEKLDKIDLGRAVEEFLSKDISYL--ISNKKKFAQTIGRI 102
DB 435 -----YLDALGNDRILAVSKKDPKH-SALITFEFKGDSLSTLYKMGKQIK---ALDRE 484
OY 103 SPVPSESAATTAETSPHSHDGSF-----KSPDT-VCLSRG----- 139
DB 485 KNV-----TLGNIKHDGVAFVSNFKYTNAKSPKGVGVTVNGVSHLEAGFSK 534
OY 140 -----KLIVE-----KAIKDHDFIPSN-SILSNALSMG 166
DB 535 VAVENLPMLNLAITSVVRDLEDLKLAGLSPOEANKLVK--DPLSSNKELVGAALNPN 592
OY 167 VKLIHIDIRIYIEQKKKELYL---LKKSTSVRDGKRVSGAOKTRGLRKKPFVAYE 223
DB 593 KAVAEAKNTGNYDEVKRAQKDELSKKRHELEKDVAKNL-----ESKSGNKKMEAKRAQ 647
OY 224 DMSQSPAV 231
DB 648 ANSOKDEI 655

RESULT 14
US-09-259-437-2
Sequence 2, Application US/09259437
Patent No. 6153390
GENERAL INFORMATION:
APPLICANT: COVER, TIMOTHY L.
APPLICANT: BLASER, MARTIN J.
APPLICANT: HARRY KLEANTHOUS
APPLICANT: TUMWURU, MURALI K.R.
TITLE OF INVENTION: THE TAGA GENE AND METHODS FOR DETECTING
TITLE OF INVENTION: PREDISPOSITION TO PEPTIC ULCERATION AND GASTRIC CARCINOMA
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: 127 Peachtree Street, Suite 1200
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/259,437
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION NUMBER: US/08/316,397
ATTORNEY/AGENT INFORMATION:
NAME: SPRATT, GWENDOLYN D.
REGISTRATION NUMBER: 36,016
REFERENCE/DOCKET NUMBER: 2200.030
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404/688-0770
TELEFAX: 404/688-9880
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 859 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-259-437-2

Query Match 6.4%; Score 77.5; DB 4; Length 859;
Best Local Similarity 20.8%; Pred. No. 11;
Matches 64; Conservative 40; Mismatches 91; Indels 113; Gaps 15;

QY 3 SGAMRHSKGHFGGI-----QVNEKNRPSLSKLTDRPEKSKCP 45
DB 382 TGSQALSGEELQNKIDPEFLAONNAKLDSLSEKEKFFNEIKDQKDKP----- 434
QY 46 LMGKVFYLD-LPSVTISEKLOKIDGGRVEEFLSKDISYL--ISNKKAKFAOTIGRI 102
DB 435 -----YLDALGNDRIAFVSKKDPKH-SALITEPNKGLDSTLAKWKKQIK--ALDRE 484
QY 103 SPVPSPSAVTAETTSPPHSDGSF-----KSPDT-VCLSRG----- 139
DB 485 KNV-----TLQNLKHDGVMFVYNSFKYTNASSPNKGVGVTNGVSHLEAGPSK 534
QY 140 -----KLIVE-----KAIKDHPIPSN-SILSNALSMG 166
DB 535 VAVFNLPLNNLAITSVVRDLEDKLIAGLSPOEANKLVK--DFLSSNKELYGKALNFN 592
QY 167 VKLIHIDIRYIEQKKELYL---LKKSTSVRDGGRVSGAOKTRTGRLKKPEYKVE 223
DB 593 KAVAEAKNTGNDEVKRAQKDLKSLKREHLEKDVAKNL-----ESKSGNKNMEAKAQ 647
QY 224 DMSQSPAV 231
DB 648 ANSQKDEI 655

RESULT 15

PCT-US93-09782-2
Sequence 2 Application PC/TUS9309782

GENERAL INFORMATION:
APPLICANT: COVER, TIMOTHY L.
APPLICANT: BLASER, MARTIN J.
APPLICANT: TUMKURU, MURALI K. R.
TITLE OF INVENTION: THE EACH GENE AND METHODS FOR DETECTING
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESSES:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: 133 Carnegie Way, Suite 400
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/09782
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: SPRATT, GWENDOLYN D.
REGISTRATION NUMBER: 36,016
REFERENCE/DOCKET NUMBER: 2200.009
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404/688-0770
TELEFAX: 404/688-9880
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 859 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US93-09782-2

Query Match 6.4%; Score 77.5; DB 5; Length 859;
Best Local Similarity 20.8%; Pred. No. 11;
Matches 64; Conservative 40; Mismatches 91; Indels 113; Gaps 15;

QY 3 SGAMRHSKGHFGGI-----QVNEKNRPSLSKLTDRPEKSKCP 45
DB 382 TGSQALSGEELQNKIDPEFLAONNAKLDSLSEKEKFFNEIKDQKDKP----- 434
QY 46 LMGKVFYLD-LPSVTISEKLOKIDGGRVEEFLSKDISYL--ISNKKAKFAOTIGRI 102
DB 435 -----YLDALGNDRIAFVSKKDPKH-SALITEPNKGLDSTLAKWKKQIK--ALDRE 484
QY 103 SPVPSPSAVTAETTSPPHSDGSF-----KSPDT-VCLSRG----- 139
DB 485 KNV-----TLQNLKHDGVMFVYNSFKYTNASSPNKGVGVTNGVSHLEAGPSK 534
QY 140 -----KLIVE-----KAIKDHPIPSN-SILSNALSMG 166
DB 535 VAVFNLPLNNLAITSVVRDLEDKLIAGLSPOEANKLVK--DFLSSNKELYGKALNFN 592
QY 167 VKLIHIDIRYIEQKKELYL---LKKSTSVRDGGRVSGAOKTRTGRLKKPEYKVE 223
DB 593 KAVAEAKNTGNDEVKRAQKDLKSLKREHLEKDVAKNL-----ESKSGNKNMEAKAQ 647
QY 224 DMSQSPAV 231
DB 648 ANSQKDEI 655

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Job time: 309 sec

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